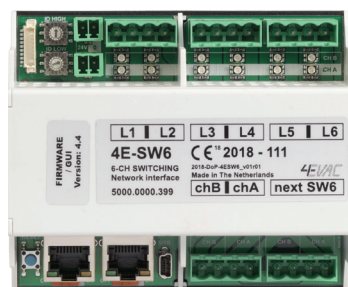


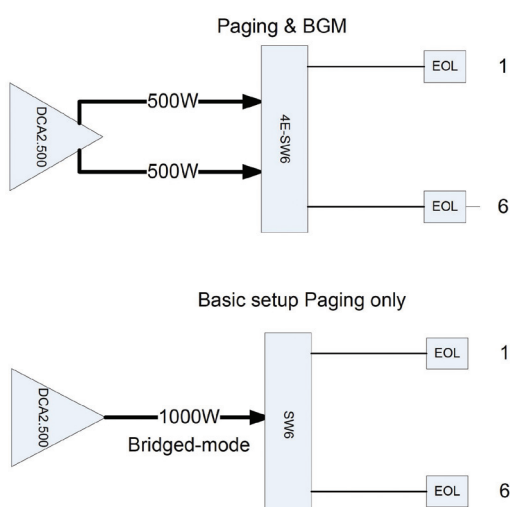
Remote Controlled Zone Expander module



MAIN PROPERTIES

- L-Net connection for daisy-chain single or redundant connection to its CONTROLLER.
- Audio A and B input, for simultaneous Paging and BGM or EVAC and pre-Alert.
- 6 switchable output lines for speaker loads from 1 to 800 Watt
- Addressable 0 -256
- Status indication per line: Audio A/B and line OPEN/SHORT

4E-SW6 Configuration examples



As simple and cost-effective way to distribute a variety of loads over multiple speaker-lines, small loads make a perfect match for the **4E-SW6-SWITCHING module**. Combining a single high-power 2 x channel amplifier such as the **DCA 2.500** with the **4E-SW6** generates simultaneous Paging and BGM into either 6 switched speaker lines, or any multiple of 6 x channels when connected to additional **4E-SW6** modules.

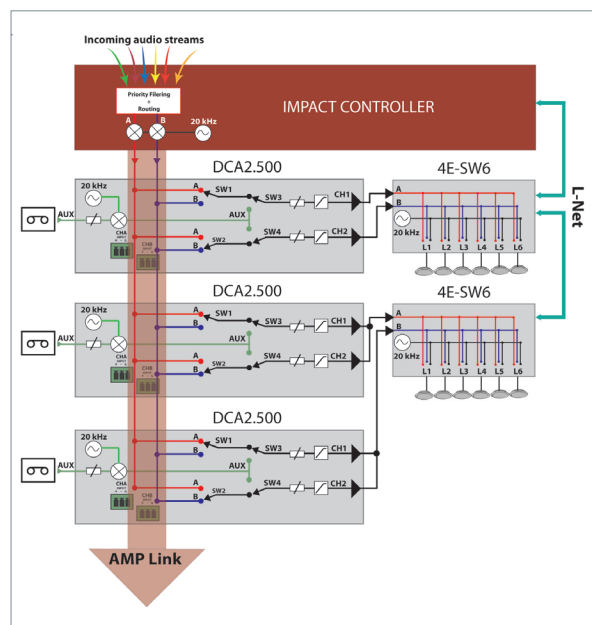
If the speaker lines need to be silenced, with NO BGM or commercial paging, the speaker-line will automatically switch to the internal third channel that is used by the surveillance tone generator.

Using a single bridge output line feature of the **DCA 2.500** amplifier, the switching module splits the line into 6 x additional managed speaker-lines for paging only. Using two amplifier channels of the **DCA 2.500** amplifier, **4E-SW6** simultaneously provides uninterrupted paging and background music for paging and BGM services.

For silenced zones, speaker lines will set to the internal (3rd) surveillance channel that is pre-selected to guarantee 24/7 cable integrity detection. Receiving an AC carrier that is generated by the **4E-SW6** for each line, a simple end-of-line module (EOL) is watching over the cable integrity for short-fault and open-fault. Each **4E-SW6** is designed with DIN-rail housing and suitable speaker-line connectors for field cabling.

Speaker lines can manage loads as small as 1 Watt or as large as 800 Watts. They offer flexibility to broadcast both BGM and/or PAGING. This dynamic audio distribution makes **IMPACT** the most compact and versatile system in the industry.

The **4E-SW6** module can simultaneously play EVAC and pre-ALERT signals broadcast either over all speaker lines or a selected group. (Phased evacuation).



4E-SW6

TECHNICAL SPECIFICATIONS

■ Inputs		
	Number / type	2 x 100V audio inputs
	Rating	max. 1000W continuous per input
	Surveillance	20kHz tone detection
■ Outputs		
	Number / type	6 x 100V loudspeaker lines
	Rating with EOL	max. 200W continuous per output
	Rating with LOOPDRIVE	max. 800W continuous per output
	Surveillance	
	Built-in	20kHz AC monitoring of EOL module, short/open/impedance deviation
	Loopdrive	Loop DC monitoring with short-circuit isolators, short/open/earth leakage, EN54-17
■ Power consumption		
	24V (L-Net / 24V DC in)	continuous 175mA (quiescent), peak 225mA (all relays activated)
	Max. number of SW6 on L-Net port	3
■ Audio performance		
	Frequency response	20 Hz – 20 kHz
■ Local network interface		
	Architecture	Master-slave, up to 16 slave devices per main controller unit
	Connection	RJ-45, powered daisy chain, digital audio & control data, redundant
	Cabling	X-over FTP CAT5e (or higher)
	Current rating via single link	max. 500 mA via L-Net port,
	Max. length of L-Net link	250 m
■ Mechanical		
	Dimensions HxWxD)	9 x 11.8 x 6.5 cm
	Weight	375 g
	Housing material	ABS
	IP rating	IP 30
	Mounting	DIN rail
■ Operating conditions		
	Temperature	10–40°C
	Relative humidity	max. 90% (non condensing)
■ Storage temperature		-40–70°C

All information provided in this document is subject to change without notice.

4EVAC may also make improvements and/or changes in the products described in this information at any time without notice.

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